Motorola EX500 Portable Radio

VHF & UHF, 16 Channels

Radio hardware features:

- 16 Position Rotary Channel Selector with Stop
- 2 Programmable Side Buttons

Operator friendly controls and features include:

- Large Rotary Channel Selector
- Rotary On/OFF and Volume Control
- Accessory Connector for convenient access
- Battery Latch Lock
- Large Textured PTT
- Spring Action Belt Clip
- Rugged, Die-Cast Chassis
- 2 Programmable Option Buttons

Motorola EX500

Motorola's Expert Line of two-way radios will keep you well connected. As a high-level professional, you know that staying on top depends on fast response. To succeed, you have to be ready to move at a moment's notice – and be able to connect instantly with the right colleagues and information. The innovative Motorola EX500 conventional two-way portable radio is designed to give you exactly that.

Compact and lightweight, this sleek Expert Series radio provides advanced communication that can take place virtually anywhere. At less than 10 ounces, the Motorola EX500 is among Motorola's smallest two-way radio and fits easily into the palm of your hand. But don't let it's small size fool you. The EX500 offers exceptional features and functionality to give you plenty of communication power -so you can maximize productivity and get the job done.

Motorola EX500 Features

The EX500 has the following features:

- 16 Channel Capability
- Emergency Button
- Sounds an alarm or alerts dispatcher in urgent situations

- Small Size and Light Weight
- X-Pand Audio Enhancement
- Internal VOX
- Hands-free operation with headset
- 2 Programmable Buttons
- Immediate access to your favorite features
- High/low power adjustments to conserve battery life
- Scan mode to scan channels for activity
- Monitor transmissions to locate clear channels
- Conventional Talkaround
- Unit-to-unit communication, bypassing the repeater
- Quik Call IITM and MDC1200 Signaling
- S end and receive information in a variety of ways, including:
- Push-to-Talk ID (Encode/Decode)
- Identifies your outgoing calls and incoming callers
- Selective Call (Encode/Decode)
- Sends and receive a call from a specific group or individual
- Call Alert (Encode/Decode)
- Inform unavailable users that you're trying to reach them and receive alerts of incoming calls when you're away from your radio
- Radio Check (Encode/Decode)
- Learn whether another user's radio is activated and to let others know your radio status
- Emergency (Encode)
- S ounds an alarm or alert dispatcher in urgent situations
- Selective Radio Inhibit (Decode)
- A llows system owner to disable stolen or missing radios

Motorola EX500 Models

VHF

- AAH38KDC9AA3-N
  EX500 VHF (136-174MHz) 16 C hannel 1-5 Watt Portable Radio

UHF

- AAH38RDC9AA3-A
  EX500 UHF (403-470MHz) 16 Channel 1-4 Watt Portable Radio
  AAH38SDC9AA3-A
  EX500 UHF (450-512MHz) 16 Channel 1-4 Watt Portable Radio

All Motorola EX500 Models Include:

Standard Battery – (VHF/UHF Li-ion1300 MAh 7.5v)
Standard 120v Rapid Rate Intelli-Charger

Standard Antenna
Carry Holster
User Guide
3 -Year Warranty

Motorola EX500 Applications

The EX500 Series Radios can be used for a variety of applications. Here are a few examples of some key industries:

Hospitality

EX Series Radios are ideal for hotel management, food & beverage, concierge service, valet parking, and more. These small, sophisticated radios are preferred for powerful communication, with professional look. The radio's small size also works well in Casinos where they can be used discreetly.

Event Management

Compact EX Series Radios help event planners stay well connected to ensure every event – from corporate meetings and functions to major sporting and philanthropic events-- is a success. Golf tournament officials keep these radios in the palm of their hand to finalize rulings, maintain leader board scoring, check on the latest weather updates, and manage crowd control.

Security / Public Safety

The EX Series Radios are excellent for security or public safety users, who want a small radio to place in a discrete location or even a pocket. Police Sergeants to Fire Chiefs can enjoy the benefit of utilizing a powerful radio that won't weigh them down.

Manufacturing

The compact and lightweight EX Series Radio makes it easier for manufacturing workers and management to step up communications without being weighed down.

Motorola EX500 Accessories

Motorola original a udio accessories enhance your communication system. Remote speaker microphones offer the convenience of communication without having to remove the radio from your belt. Lightweight headsets provide hands- free communication so you can work and communicate simultaneously. Comfortable earpieces mute the radio speaker while channeling the audio directly to your ear, so you can monitor transmissions clearly and privately.

Batteries

Motorola original b atteries with different chemistries to best suit your needs help keep your EX500 radio fully functioning at all times, so you can rest assured they are ready whenever you need them.

JMNN4023 Li-ion Battery 1000 mAh 7.5V (Slim)
JMNN4024 Li-ion Battery 1300 mAh 7.5V
JMNN4025 NiMH Battery 700 mAh 7.5V IS

Chargers

You need a charger to keep your batteries ready whenever you need them. Choose the Motorola Original charger that best fits your need.

AAHTN3000 Single Unit Rapid Rate Charger
AAHTN3003 Six Unit Rapid Rate Charger

Audio

Motorola original a udio accessories enhance your communication system. Remote speaker microphones offer the convenience of communication without having to remove the radio from your belt. Lightweight headsets provide hands- free communication so you can work and communicate simultaneously. Comfortable earpieces mute the radio speaker while channeling the audio directly to your ear, so you can monitor transmissions clearly and privately.

Remote Speaker Microphones

JMMN4073 Remote Speaker Microphone

Earpieces

AARLN4885 Receive Only Earbud for Remote Speaker Mic
ENMN4013 Flexible Ear Receiver 1-wire (IS)
WADN4190 Flexible Ear Receiver (For PS Remote Speaker Microphone)

Surveillance Accessories

AARMN4021 Earpiece 1-wire, w/o Volume Control - Beige (IS)
AARMN4022 Earpiece 2-wire w/Microphone and PTT combined - Beige (IS)
AARMN4028 Earpiece 1-wire w/o Volume Control - Black (IS)
AARMN4029 Earpiece 2-wire w/Microphone and PTT combined - Black (IS)
ENMN4014 3-Wire Surveillance Kit with Mic & PTT Separate - Black (IS)
ENMN4017 3-Wire Surveillance Kit with Mic & PTT Separate - Beige (IS)
NTN8370 Extreme Noise Kit provides 24dB of noise reduction

NTN8371 Low Noise Kit
RLN4922 Neckloop Wireless Discreet Earpiece Kit

Headsets

AARMN4017 Ultralite Headset with Boom Microphone
AARMN4018 Lightweight Headset with boom mic - FM Approved
AARMN4019 Over-the-Head Headset w/in-line PTT Noise Canceling Mic
AARMN4020 Heavy-duty Headset -PTT on the Earcup (IS)
ARMN4031 Lightweight Headset w/Swivel Boom Mic (no in-line PTT)
AARMN4032 Over-the-Head Headset w/Noise Canceling Mic
BDN6647 Medium Weight Single Muff Headset with Boom Mic (IS)
ENMN4012 Breeze Ultra-Light Headset w/In-Line PTT and Boom Mic (IS)
ENMN4016 Behind-the-Head Medium Duty Headset w/NC Mic (IS)
HMN9022 Under-the- Hardhat Medium Weight Dual Muff Headset (FM)
RMN4048 Temple Transducer Headset (IS)
RMN4051 Hardhat Mount Headset - Black (Requires RKN4094)
RMN4052 Tactical Headband Style Headset 24dB - Grey (Requires RKN4094)
RMN4053 Tactical Headband Style Headset 22dB - Grey (Requires RKN4094)
RMN5015 Racing Headset (adapter cable RKN4091 required)
RMN4054 Receive-only Hardhat Mount Headset w/3.5mm plug - 22dB
RMN4055 Receive-only Headband Style Headset w/3.5mm plug - 24dB
RKN4091 Adapter Cable for Racing Headset RMN5015A
RKN4097 PTT Adapter Cable HT750/HT1250 for RMN4051/52/53
AAHLN9716 Audio Accessory Adapter (For use of GP300/P1225 accessories)

Ear Microphones

Voiceducer

AARMN4044 Ear Microphone Interface Module for PTT Only
AARMN4045 Ear Microphone Interface Module for PTT & VOX
BDN6641 Ear Microphone for up to 105dB - Grey
BDN6677 Ear microphone for up to 95 dB - Black
BDN6678 Ear Microphone for up to 95dB - Beige
0180358B32 Ear Microphone Earholder Black - Small
0180358B33 Ear Microphone Earholder Black - Medium
0180358B34 Ear Microphone Earholder Black - Large
0180358B35 Ear Microphone Earholder Clear - Small
0180358B36 Ear Microphone Earholder Clear - Medium
0180358B37 Ear Microphone Earholder Clear - Large
0180300E25 Ear Microphone Earguard with Adjustable Loop
0180358B38 Ear Microphone Push-to-Talk Ring Switch
0180300E83 Ear Microphone Push-to-Talk Body Switch
4280369E44 Ear Microphone Belt Clip

CommPort

NTN1722 CommPort Integrated System with PTT on Radio
NTN1723 CommPort Integrated System with Palm PTT (IS / FM)
NTN1724 CommPort Integrated System with Ring PTT (IS / FM)
NTN1737 CommPort Integrated System with Snap-on-Side PTT (IS / FM)
NNTN4187 CommPort System with Body PTT Button
4202006A01 CommPort Replacement Back Cover Clip
4285838B01 CommPort Replacement Back Cover Clip
NKN6508 CommPort Replacement PTT cable for NTN1625
NKN6510 CommPort Replacement Palm PTT Cable for NTN1624
NKN6512 CommPort Replacement PTT cable for NTN1663A
NKN6525 CommPort Replacement cable with snap on side PTT
NNTN4188 CommPort Replacement Remote PTT Switch for NNTN4186A
AAHLN9717 Audio Accessory Adapter 3.5MM

Carry Accessories

Motorola original c arry cases in both nylon and leather protect your radio and provide you the freedom from holding it during standby communication.

HLN6602 Universal Chest Pack
JMZN4023 Plastic Carry Holster w/Swivel Belt Clip
PMLN4520 Hard Leather Carry Case w/Swivel Clip
PMLN4521 Soft Leather Carry Case w/Fixed Swivel Clip

Antennas

A variety of antennas available for the Motorola HT750 radio offer you flexibility in size and calling range. As with all of our parts and accessories, these HT750 antennas are all Motorola Original.

VHF

NAD6502 VHF (146-174MHz) Standard Heliflex Antenna
PMAD4012 VHF (136-155MHz) Stubby Antenna (Red Color Code)
PMAD4025 VHF (150-161MHz) Stubby Antenna (Brown Color Code)
PMAD4013 VHF (155-174MHz) Stubby Antenna (Black Color Code)
8504762J01 VHF (136-155MHz) Whip Antenna (Red Color Code)
NAD6579 VHF (148-161MHz) Whip Antenna (Enhanced Performance, 7.5”)
PMAD4023 VHF (150-161MHz) Whip Antenna (Brown Color Code)
8504762J02 VHF (155-174MHz) Whip Antenna (Black Color Code)

UHF

NAE6483 UHF (403-512MHz) Standard Whip Antenna
PMAE4002 UHF (403-430MHz) Stubby Antenna (Green Color Code)
8504762J08 UHF (430-470MHz) Stubby Antenna (Natural Color Code)
PMAE4006 UHF (465-490MHz) Stubby Antenna (Orange Color Code)

Motorola EX500 FAQ's

What is the warranty for the Motorola EX Series radios?

Three years is the standard warranty on Motorola EX Series radios. You also have the option to purchase an additional one year of warranty coverage, which would provide you with a total of four years of coverage!

If I have Motorola Visar portable radios, can I use the same accessories for my Motorola EX Series radios?

In fall 2001, an adapter will be available, allowing you to use numerous Motorola Visar accessories with the Motorola EX Series radios.

If I have other Motorola radios, can I use the same accessories for the Motorola EX Series radios?

No. The Motorola EX Series portable radios utilize unique accessories. A variety of microphones, headsets, earpieces, and more will help you customize the radio to meet your individual needs.

If I have Motorola HT Series portable radios, can I use the same single unit and multi-unit chargers for the Motorola EX Series radios?

Yes, for your convenience you can charge the Motorola EX Series radios in the same chargers as Motorola HT Series radios: the single unit rapid rate charger (Motorola Part # AAHTN3000), and rapid rate multi-unit charger, (Motorola Part # AAHTN3003C or more current version).

Downloads

Motorola EX500 Brochure
Motorola EX500 Spec Sheet